



# PATENT SPECIFICATION

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Patent of Addition to No. 466,806. Dated Dec. 5, 1935.

Complete Specification Accepted : Sept. 1, 1938.

EXAMINER'S

COPY

DIV. 39

491,391

## COMPLETE SPECIFICATION

### Improvements in and relating to Water Supply Fittings for Baths and the like

We, **PEGLERS, LIMITED**, a Company incorporated under the Laws of Great Britain and Northern Ireland, and **ANDREW BIRCHALL**, a British Subject, both of Belmont Works, Doncaster, in the County of York, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to water supply fittings for baths and the like and is an improvement in or modification of the invention or our prior application for Letters Patent No. 39766 dated the 5th December 1935 wherein is described a water supply fitting for baths and the like of the kind employing separate hot and cold water inlet supply pipes for conveying hot and cold water under the control of valves to a mixing chamber in the fitting having a discharge outlet, the said inlet pipes each having a bend and being so connected to the fitting as to be capable of being swivelled when assembling the fitting in position upon a bath or the like whereby the distance apart of said inlet pipes at their ends remote from the fitting can be adjusted so as to register with the holes in the bath or the like in which they are to be secured for supporting the fitting in position.

The features of construction claimed in the specification of our said prior invention include two separate mixing chambers each having an outlet arranged intermediate of two valves controlling respectively a hot water inlet and a cold water inlet to the mixing chamber, the hot water inlets of the two chambers being coaxially arranged and connected with each other in open communication with a hot water inlet pipe and the cold water inlets being coaxially arranged and connected with each other in open communication with a cold water inlet pipe.

In such immediately before described construction the cranked hot and cold water inlet pipes are each a rigid unitary structure in which the entrant and outlet orifices have vertical axes and for this reason the inlet pipes have to pass through

holes in a horizontal surface so that the fitting can only be secured to the scroll or flange of a bath.

An object of this invention is to provide improvements whereby the fitting may be secured either inside the bath or be fitted to a wall or other surface adjacent the bath.

A further object is to provide for adjustment of the inlet pipes to suit the distances apart of the supply connections therefor over a much wider range.

According to the present invention therefore the hot and cold water inlet pipes are each provided with an inlet orifice having its axis arranged at an angle to the axis of its outlet orifice.

The said inlet orifice may be formed in a separate connecting member coupled to the remaining portion of the pipe so as to be capable of swivelling with respect thereto.

The connecting member may be secured by studs passing axially through a portion thereof and having screw thread engagement with a wall of the remaining portion of the pipe.

Referring to the drawings filed herewith:—

Fig. 1 is an elevation, half in section, of one form of fitting made in accordance with this invention.

Fig. 2 is a sectional plan on the line X—X, Fig. 1.

*a* is a mixing chamber having a hot water inlet *b* at one end and a cold water inlet *c* at the other end controlled by valves at *d* and *e*, respectively, which also control the outlet *f* to a bath. Oppositely disposed to the mixing chamber *a* is another mixing chamber *g* having hot and cold water inlets *h* and *j* coaxial, respectively, with the inlets *b* and *c*, the said inlets *h* and *j* being controlled, respectively, by valves at *k* and *m* which also control an outlet *n* from the mixing chamber *g* to a shower.

*o* and *p* are hot and cold water inlet pipes, respectively, which have elbow bends *q* and tee sockets *r* and *s*, the sockets *r* having a swivel connection with the two hot water inlets *b* and *h* and the socket *s* having a swivel connection with the two

cold water inlets *o* and *j*, the screw threaded studs *t* and *v* engaging integral lugs *u* interiorly of the upper mixing chamber and having heads *x* for securing the several parts in correct position.

The pipes *o* and *p* are each provided with an auxiliary swivelling elbow bend 2 screw threaded at its outer end for connection to the requisite supply pipe entering the bath side or a wall. These auxiliary elbow bends 2 are secured to their respective pipes *o* and *p* by means of screwed studs 3 engaging integral lugs 4 formed interiorly of the pipes *o* and *p*, the studs projecting exteriorly of the bends 2 to receive securing heads 5 which are adapted to permit swivelling movement of the said bends.

It will be seen in the example illustrated that the manner of securing the auxiliary swivelling bends 2 to the swivelling pipes *o* and *p* is effected in a similar manner to that in which the pipes *o* and *p* are secured to the inlets of the mixing chambers.

A fitting made in accordance with this invention can be readily secured to either a wall exteriorly of the bath or inside the bath and owing to the swivelling movement of both the pipes *o* and *p* and that of the auxiliary bends 2 a wide range of adjustment of the bends is possible to enable their connection to be made to the supply pipes at various distances apart.

Having now particularly described and ascertained the nature of our said inven-

tion and in what manner the same is to be performed, we declare that what we claim is:—

1. The improvement in, or modification of, water supply fittings for baths and the like claimed in the specification of our prior application for Letters Patent No. 33766 dated the 5th December, 1935 which consists in providing the inlet orifices of the cranked inlet pipes at an angle to their outlet orifices.

2. A water supply fitting for baths and the like according to Claim 1 wherein the inlet orifices of the inlet pipes are formed in cranked auxiliary connecting members coupled to the remaining portions of the said pipes so as to be capable of swivelling with respect thereto.

3. A water supply fitting for baths and the like according to Claim 2 wherein the auxiliary connecting members are secured to the remaining portions by studs passing therethrough and having screw thread engagement with a wall interiorly of the said remaining portion.

4. A water supply fitting for baths and the like constructed, arranged and adapted for use substantially as described with reference to, and as illustrated in, the accompanying drawings.

Dated this 11th day of March, 1937.

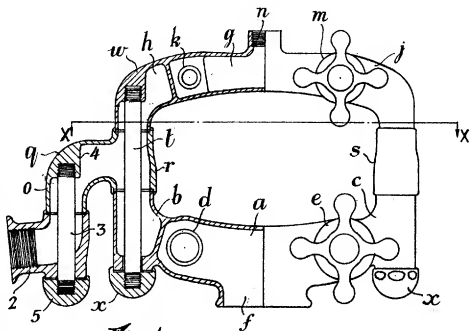
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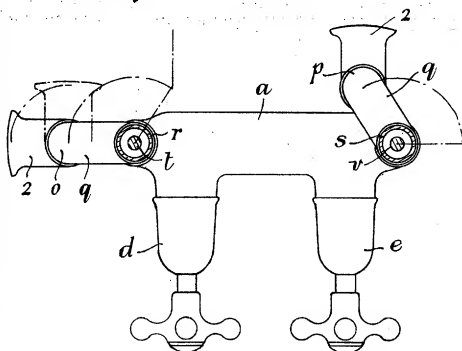
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1 SHEET



*Fig. 1*



*Fig. 2*

Fig. 1.

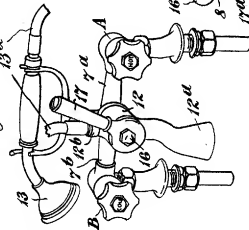


Fig. 2.

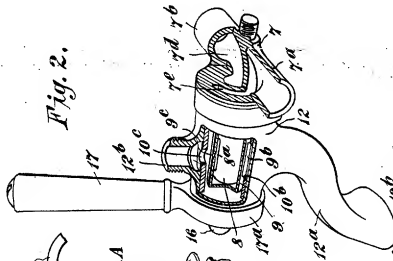


Fig. 3.

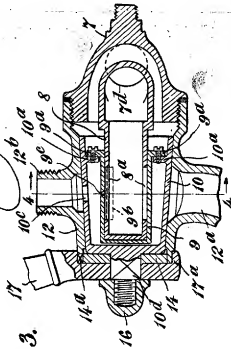


Fig. 4.

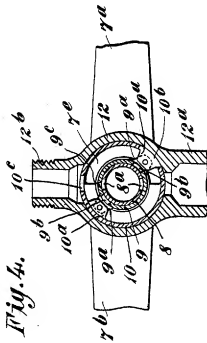


Fig. 5.

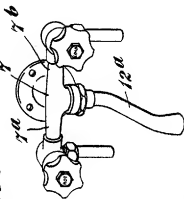


Fig. 6.

